

TIME SHIFT DATA ANALYSIS FOR
LONG-RANGE GUIDED WAVE INSPECTION

ABSTRACT OF THE DISCLOSURE

A method of analysis long range guided wave data reflected from defects and geometric features such as welds in a structure. The method involves acquiring two sets of data, and time shifting one set of data relative to the other. Data points that match in time after the shifting are considered to represent defects or geometric features in the structure. The result of the method is exclusion of false signal data and automation of data analysis.